

# Fishery Bulletin

## CONTENTS

Vol. 81, No. 3

July 1983

DURBIN, E. G., A. G. DURBIN, R. W. LANGTON, and R. E. BOWMAN. Stomach contents of silver hake, <i>Merluccius bilinearis</i> , and Atlantic cod, <i>Gadus morhua</i> , and estimation of their daily rations .....	437
ROTHLISBERG, PETER C., and CHARLES B. MILLER. Factors affecting the distribution, abundance, and survival of <i>Pandalas jordani</i> (Decapoda, Pandalidae) larvae off the Oregon coast .....	455
WINKLER, DELAINE L., KEITH L. DUNCAN, JO ELLEN HOSE, and HAROLD W. PUFFER. Effects of benzo(a)pyrene on the early development of California grunion, <i>Leuresthes tenuis</i> (Pisces, Atherinidae) .....	473
POWER, JAMES H., and JAMES D. McCLEAVE. Simulation of the North Atlantic Ocean drift of <i>Anguilla leptocephali</i> .....	483
OLIVER, JOHN S., PETER N. SLATTERY, EDMUND F. O'CONNOR, and LLOYD F. LOWRY. Walrus, <i>Odobenus rosmarus</i> , feeding in the Bering Sea: A benthic perspective .....	501
OLIVER, JOHN S., PETER N. SLATTERY, MARK A. SILBERSTEIN, and EDMUND F. O'CONNOR. A comparison of gray whale, <i>Eschrichtius robustus</i> , feeding in the Bering Sea and Baja California .....	513
RALSTON, STEPHEN, and GARRET T. MIYAMOTO. Analyzing the width of daily otolith increments to age the Hawaiian snapper, <i>Pristipomoides filamentosus</i> .....	523
WENNER, CHARLES A. Species associations and day-night variability of trawl-caught fishes from the inshore sponge-coral habitat, South Atlantic Bight. ....	537
ROSS, JEFFREY L., and JOHN V. MERRINER. Reproductive biology of the blueline tilefish, <i>Caulolatilus microps</i> , off North Carolina and South Carolina .....	553
ALLEN, LARRY G., and EDWARD E. DeMARTINI. Temporal and spatial patterns of nearshore distribution and abundance of the pelagic fishes off San Onofre-Oceanside, California .....	569
WILLIAMS, VERN R., and THOMAS A. CLARKE. Reproduction, growth, and other aspects of the biology of the gold spot herring, <i>Herklotsichthys quadrimaculatus</i> (Clupeidae), a recent introduction to Hawaii .....	587
BOWERING, W. R. Age, growth, and sexual maturity of Greenland halibut, <i>Reinhardtius hippoglossoides</i> (Walbaum), in the Canadian Northwest Atlantic .....	599
MacCALL, ALEC D., KEITH R. PARKER, RONALD LEITHISER, and BILL JESSEE. Power plant impact assessment: A simple fishery production model approach .....	613

(Continued on next page)

Seattle, Washington

1983

## Notes

SOMERTON, DAVID A., and RICHARD A. MacINTOSH. The size at sexual maturity of blue king crab, <i>Paralithodes platypus</i> , in Alaska .....	621
LIVINGSTON, PATRICIA A. Food habits of Pacific whiting, <i>Merluccius productus</i> , off the west coast of North America, 1967 and 1980. ....	629
CLAUSEN, DAVID M. Food of walleye pollock, <i>Theragra chalcogramma</i> , in an embayment of southeastern Alaska .....	637
SHERIDAN, PETER F., and DAVID L. TRIMM. Summer foods of Texas coastal fishes relative to age and habitat .....	643
DANIELS, ROBERT A., and PETER B. MOYLE. Life history of splittail (Cyprinidae: <i>Pogonichthys macrolepidotus</i> ) in the Sacramento-San Joaquin estuary .....	647
HUNTE, WAYNE, and ROBIN MAHON. Life history and exploitation of <i>Macrobrachium faustinum</i> in a tropical high-gradient river .....	654
SMITH, G. J. D., A. J. READ, and D. E. GASKINS. Incidental catch of harbor porpoise, <i>Phocoena phocoena</i> (L.), in herring weirs in Charlotte County, New Brunswick, Canada .....	660
GRIMES, C. B., S. C. TURNER, and K. W. ABLE. A technique for tagging deepwater fish .....	663

The National Marine Fisheries Service (NMFS) does not approve, recommend or endorse any proprietary product or proprietary material mentioned in this publication. No reference shall be made to NMFS, or to this publication furnished by NMFS, in any advertising or sales promotion which would indicate or imply that NMFS approves, recommends or endorses any proprietary product or proprietary material mentioned herein, or which has as its purpose an intent to cause directly or indirectly the advertised product to be used or purchased because of this NMFS publication.